

[COMPUTER POINTING DEVICE EMPLOYING A MAGNETIC FIELD SOURCE AND MAGNETIC FIELD SENSORS]

Abstract of Disclosure

A pointing device for a computer includes a magnetic field source, a magnetic field sensor, and a flexible member that connects the magnetic field source and the magnetic field sensor. When a user accelerates the pointing device the position of magnetic field source with respect to the magnetic field sensor changes and this positional change is measured by the magnetic field sensor, which outputs corresponding electrical signals. The pointing device further includes a processor that receives the electrical signals output by the magnetic field sensor, generates a corresponding standard location signal of the pointing device, and outputs the location signal to a computer via a transmission system.

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